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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,860	07/31/2003	Takashi Miyazawa	116746	9073
25944	7590	06/23/2006	EXAMINER	
OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320			SHANKAR, VIJAY	
			ART UNIT	PAPER NUMBER
			2629	
DATE MAILED: 06/23/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental

Notice of Allowability

Application No.

10/630,860

Examiner

VIJAY SHANKAR

Applicant(s)

MIYAZAWA, TAKASHI

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Examiner's Amendment on 6-22-2006.
2. ☒ The allowed claim(s) is/are 1-18 and 29-32, Renumbered as 1-22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other Examiner's Interview.

VIJAY SHANKAR  
Primary Examiner  
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### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Randi Isaacs on 06-22-2006.

The application has been amended as follows:

Claim 1(Currently Amended) An electronic circuit, comprising:

a first transistor that has a first drain, a first source and first gate;

a capacitive element that holds an electrical charge whose amount corresponds to a data signal of a first mode or ~~and~~ a second mode supplied through the first transistor when the first transistor is in an on-state; and

a second transistor that has a second drain, a second source and a second gate and whose conduction state is set according to the amount of the electrical charge held in the capacitive element;

modes for driving the electronic circuit including at least the first mode and the second mode,

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a two-level-data signal being supplied as the data signal to the capacitive element in the first mode, and

a multilevel-data signal being supplied as the data signal to the capacitive element in the second ~~mode~~. mode, and

a switching circuit that selects any one from at least the two-level-data signal and the multilevel-data signal according to a selected mode of the first mode and the second mode to supply the capacitive element as the data signal.

***Priority***

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

***Allowable Subject Matter***

3. Claims 1-18 and 29-32 are allowed.

4. The following is an examiner's statement of reasons for allowance: The prior arts Tanaka et al (US 2003/0132906 A1), Tamai et al (6,160,533) and Hartson et al (6,433,835) fails to recite or disclose the uniquely distinct features, The electronic circuit, comprising "a capacitive element that holds an electrical charge whose amount corresponds to a data signal of a first mode or a second mode supplied through the first transistor when

**the first transistor is in an on-state; modes for driving the electronic circuit including the first mode and the second mode, a two-level-data signal being supplied as the data signal to the capacitive element in the first mode, a multilevel-data signal being supplied as the data signal to the capacitive element in the second mode, and a switching circuit that selects any one from at least the two-level-data signal and the multilevel-data signal according to a selected mode of the first mode and the second mode to supply the capacitive element as the data signal."**

The closest prior art, Tanaka et al (US 2003/0132906 A1), Tamai et al (6,160,533) and Hartson et al (6,433,835), either singularly or in combination, fail to anticipate or render the above bold and underlined limitations obvious.

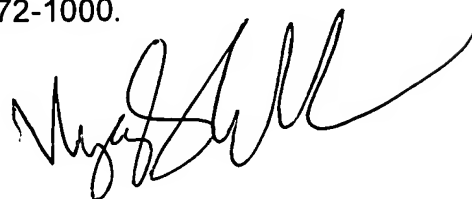
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is (571) 272-7682. The examiner can normally be reached on M-F 7:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BIPIN SHALWALA can be reached on (571) 272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



VIJAY SHANKAR  
Primary Examiner  
Art Unit 2629

VS

June 22, 2006.